

FIG. 1A

Ground Squirrel mylfhlclf acvpcpctvqa sklclgwld

1
HBC AYW mdidpykefg atveillsflp sdffpsvrdl ldtasalyre
HBC ADW mdidpykefg atveillsflp sdffpsvrdl ldtasalyre
HBC ADW2 mdidpykefg atveillsflp sdffpsvrdl ldtasalyre
HBC ADYW mdidpykefg atveillsflp sdffpsvrdl ldtasalyre
Woodchuck mdidpykefg ssyqllnfpl ldffpdlnal vdtatalyee
Ground Squirrel mdidpykefg ssyqllnfpl ldffpdlnal vdtaaalyee

41
HBC AYW alespehcsp hhtalrqail cwgelmtnlat wvgvnledpa
HBC ADW alespehcsp hhtalrqail cwgelmtnlat wvgnnlqdp
HBC ADW2 alespehcsp hhtalrqail cwgelmtnlat wvgnnledpa
HBC ADYW alespehcsp hhtalrqail cwgdlmtlat wvgtnledpa
Woodchuck eltgrehcsp hhtairqalv cwdeltklia wmssnitseq
Ground Squirrel eltgrehcsp hhtairqalv cweeltrlit wmsentteev

FIG. 1B

81

HBC AYW
HBC ADW
HBC ADW2
HBC ADYW
Woodchuck
Ground Squirrel

srdlvvssyvn tnmglkfrql lwfhiscltf gretvleylv
srdlvvnyvn tnmglkirql lwfhiscltf gretvleylv
srdlvvnyvn tnvglkirql lwfhiscltf gretvleylv
srdlvvssyvn tnvglkfrql lwfhiscltf gretvleylv
vrtivnhvn dtwgllkvrgs lwfhiscltf gqhtvqeflv
rrivvhvnn twglkvrgtl wfhlscltfq qhtvqeflv

121

HBC AYW
HBC ADW
HBC ADW2
HBC ADYW
Woodchuck
Ground Squirrel

sfgvwirtpp ayrppnapi stlpettvvr rrgrsprrrt
sfgvwirtpp ayrppnapi stlpettvvr rrdrgrsprrr
sfgvwirtpp ayrppnapi stlpettvvr rrdrgrsprrr
sfgvwirtpp ayrppnapi stlpettvvr rrgrsprrrt
sfgvwirtpa pyrppnapi stlpchtvrr rggarasrs
fgvwirtppa yrppnapi stlpentvrr rgssraarsp

161

HBC AYW
HBC ADW
HBC ADW2
HBC ADYW
Woodchuck
Ground Squirrel

psprrrrsqs prrrrsqsre sqc
rtppsprrrrs qsprrrrsqs resqc
rtppsprrrps qsprrrrsqs resqc
psprrrrsqs prrrrsqsre sqc
prrrtsprrr rrsqsprrr sqc
rrrtsprrr rsqsprrrs qspasnc

FIG. 2

HindIII

pKK223-3

TTCACACAGGAAACAGAACATTCCCGGGATCCGTCGACCTGCAGCCAAGCTT

[SEQ ID NO:180]

pKK223-3N

TTCACATAAGGAGGAAAAAAccatggGATCCG-----

-----AAGCTT

NcoI

[SEQ ID NO:181]

Fig. 3

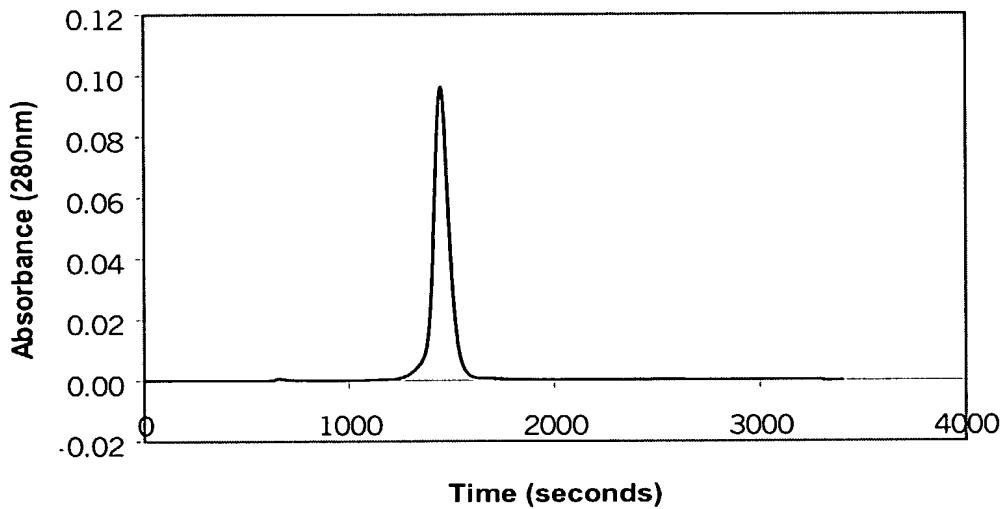


Fig. 4

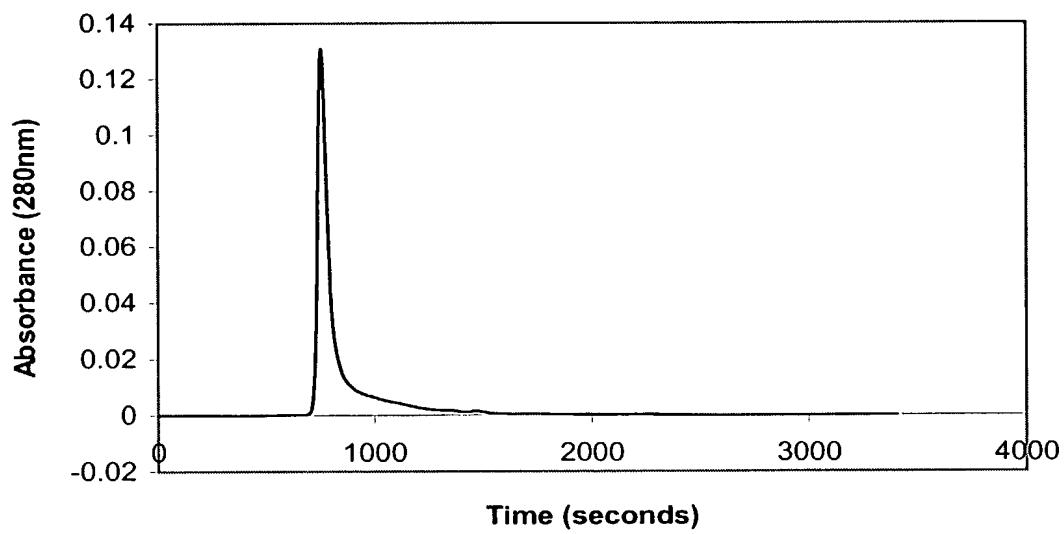


Fig. 5

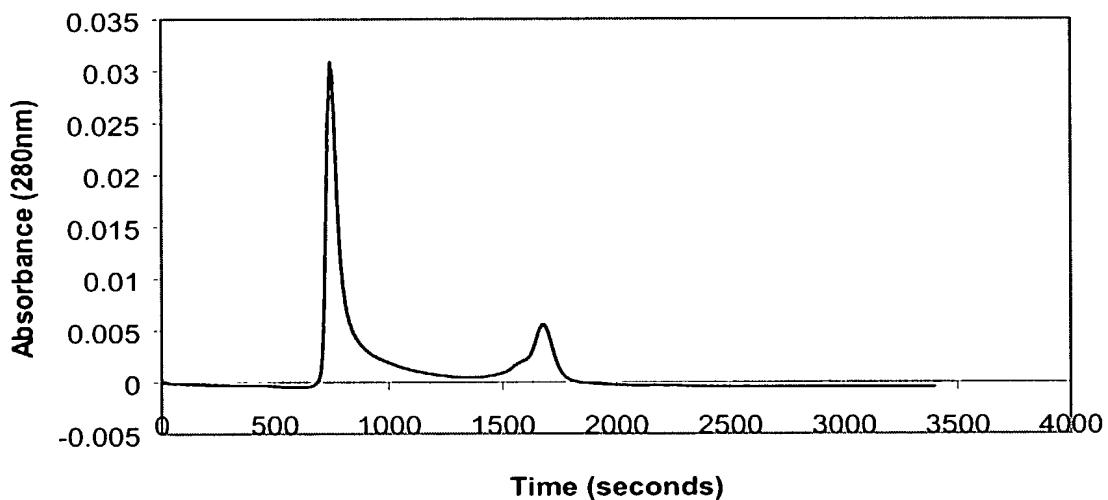


Fig. 6

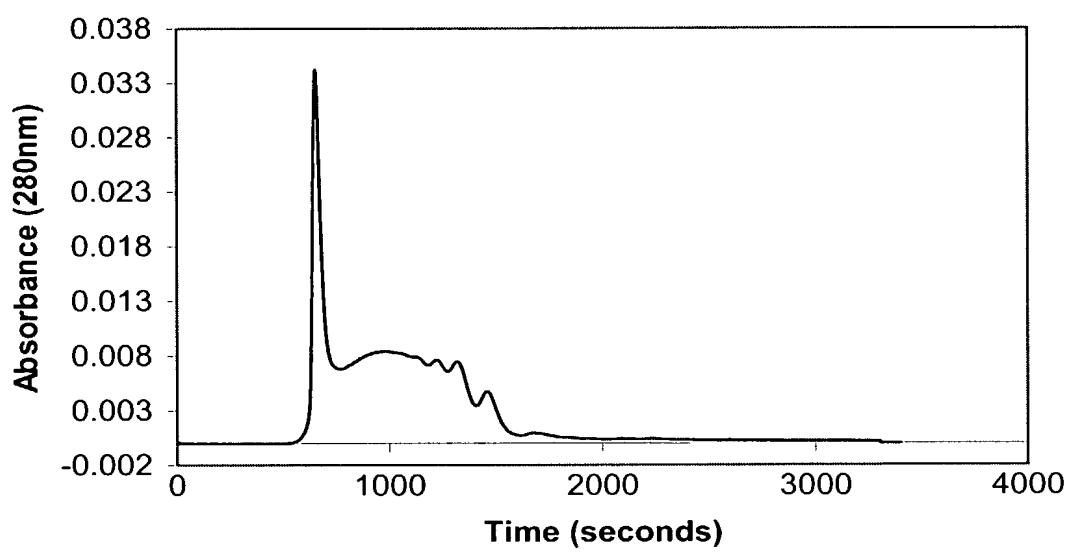


Fig. 7

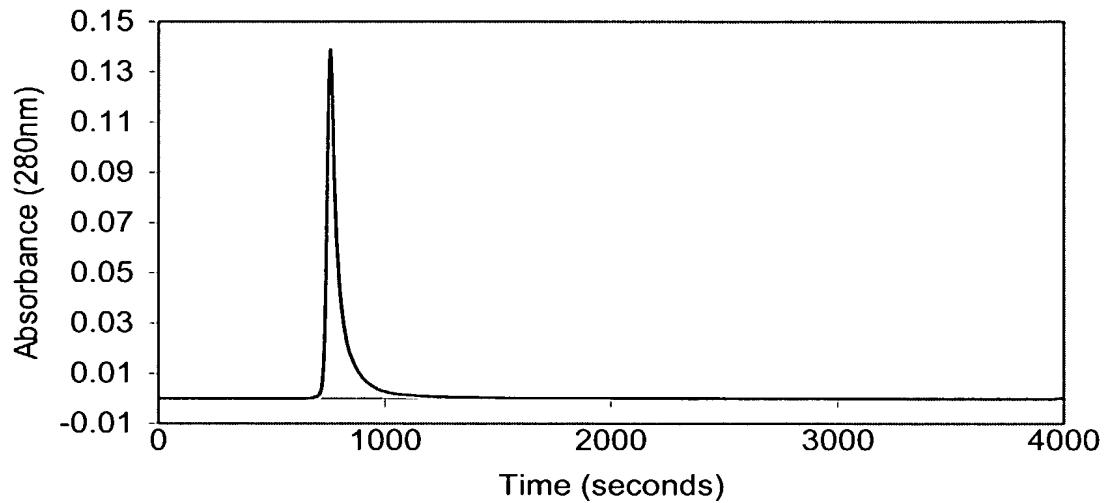


Fig. 8

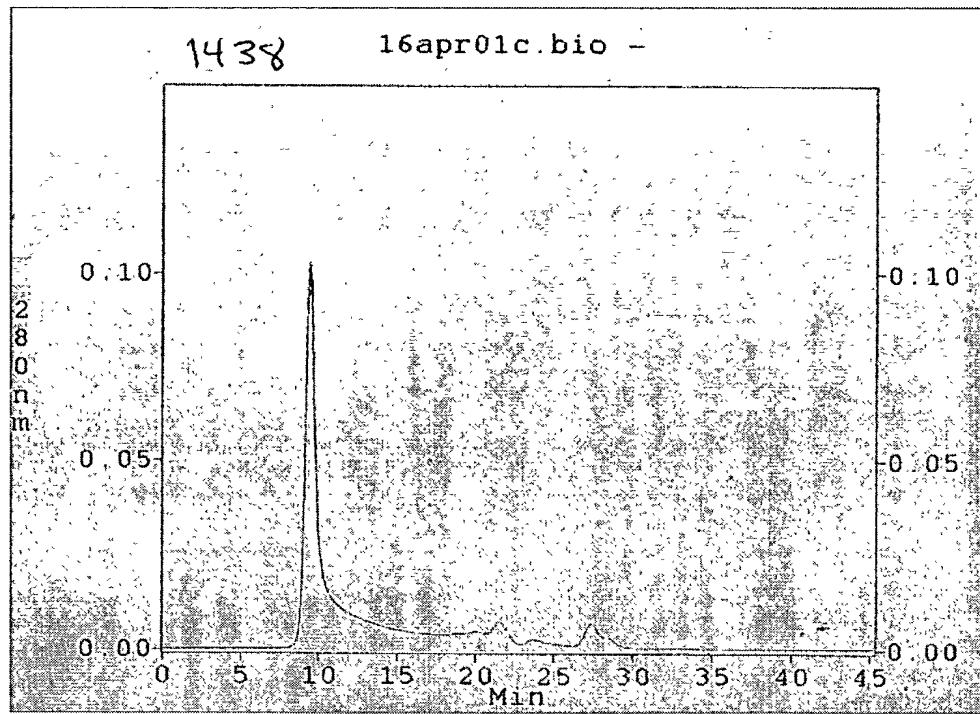


Fig. 9

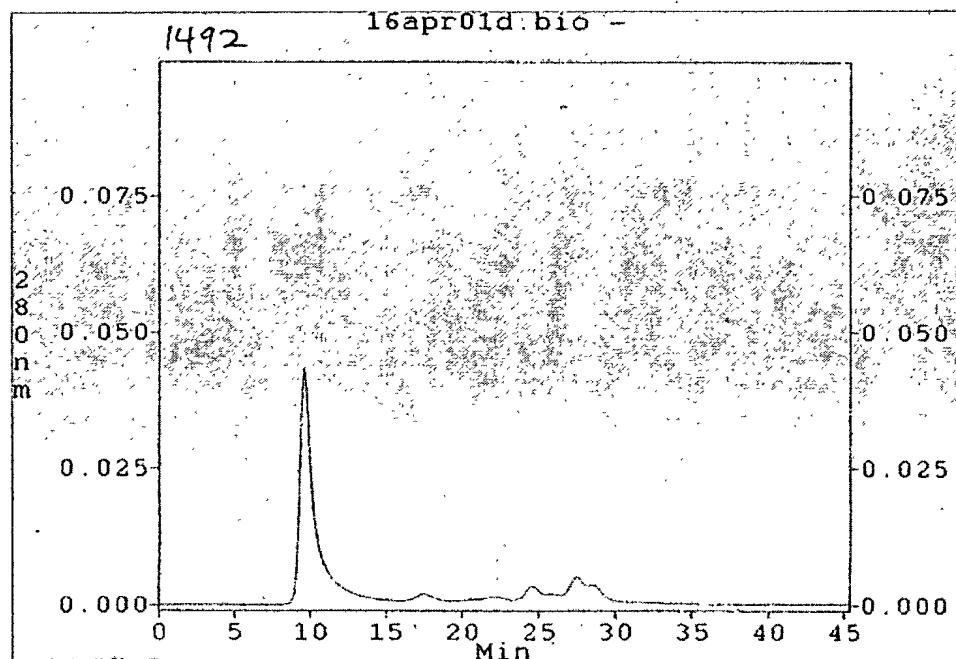


Fig. 10

